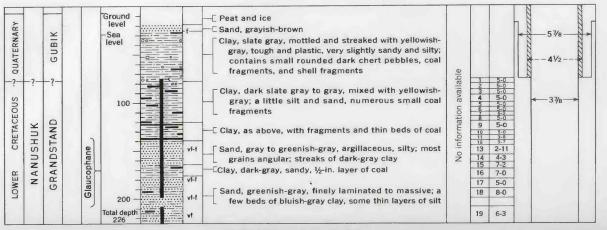
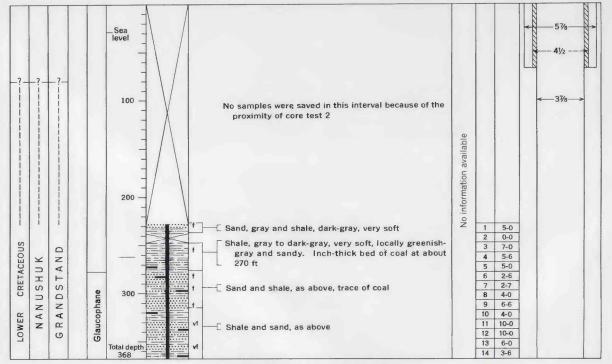
## UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

OR SERIES		FORMATION	NAL ZONE	1 -			ابـا	DEPTH (IN FEET)	COMPOSITION	SELECTED LITHOLOGIC	DIP	Co	ORE	HOLE DIAMETER AND
SYSTEM C	GRO	FORM	MICROFAUNAL	HEAVY-MIN	DE (IN)	COMPC	DESCRIPTION		NUMBER	RECOVERY (FEET - INCHES)	CASING DIAMETER  (IN INCHES)			
CEOUS OUATERNARY	NANU-,	STAND?		Rounded grain	Ground level Sea level 50  100 Total depth		Clay, dark-bluish-gray, locally mottled and streaked with yellowish gray, contains small amounts of silt and very fine sand, also contains well-rounded black and green chert granules and pebbles and fragments of gray limestone, grayish-brown quartzite  Clay, dark-gray to yellowish-gray, also silt, sand, and pebbles  Shale, gray, very soft, also silt and sand	No information available	1 3 2 4 5 6 7 8 9 1211 13 14	0-0 0-0 0-6 5-0 5-0 5-0 1-0 1-0 4-0 0-0 3-0 0-0 0-0	57/8			

## SIMPSON CORE TEST 1



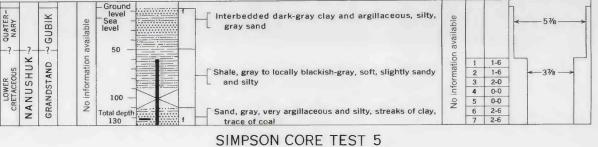
SIMPSON CORE TEST 2



SIMPSON CORE TEST 3

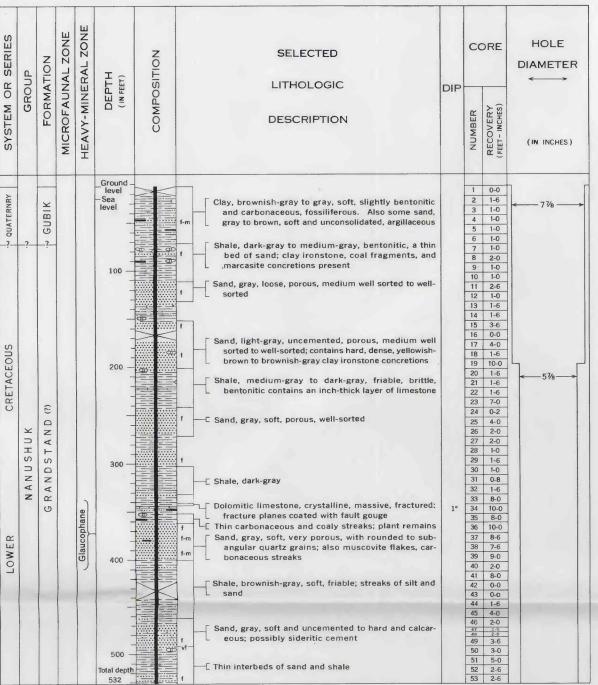
QUATERNARY		UBIK		cophane	Ground level Sea level	vf-4	Sand, grayish-brown, very argillaceous and silty, angular grains; locally contains streaks of dark bluegray fossiliferous clay  Clay or shale, yellowish-gray, contains gravel made up	ailable			*	57/8	Kuman											
O U A		O		lan		00-00-00	of small, rounded chert pebbles	n av	1	3-0			A											
				O		0-0-0-0-0-		ation	2	1-0		<b>←</b> 37/8 →												
	Y /	STANE	100	ulmoides	-	00		E .	3	3-6		378	7											
10	5		de			Chale gray brown gray	Shale, gray-brown, gray to dark-gray, soft, slightly		4	2-0														
5	I		linoi		ulinor	8.8	8.8	8.8	8.8	8.8	8.8	5.0	8.8	8.8	8.8	100 -	=:18		info	5	1-6			
E	S							silty and sandy, rare streaks of coal. A foot-thick	200	6	10-0													
CRETACEOUS	¥ 2		Z	Z	Z	z	AN	neuil		1		bed of argillaceous coal at about 115 ft. Also a few thin beds of gray argillaceous sand. Buff clay iron-	Z	7	3-0									
A CR	04	err	d'a	Total dept	CED	stone present		8	6-0															
	Z	O	7		151		- Stolle present		9	2-0														

SIMPSON CORE TEST 4

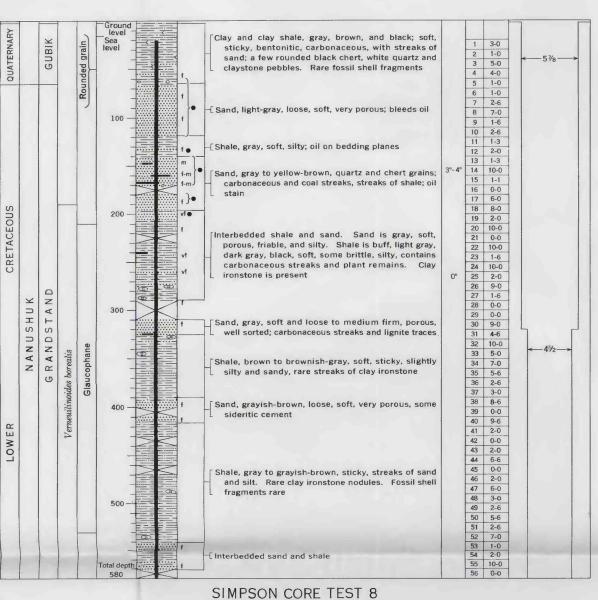


QUALERNARY	GUBIK	Rounded grain	<b>→</b>	Ground level Sea level 50 —		Sand, brownish-gray to grayish-brown, soft, grains angular to rounded, argillaceous, silty, rare streaks of dark shale. Rounded gravel in the lowest part of the interval	on available	1 2 3 4 5	8-0 1-0 2-0 8-0 0-6	5 1/6>	
-	8	,		_	0.0.0.0.0		nformation	7	1-0		
SX	ANDO		9	e l	-		Shale, bluish to yellowish, soft, massive; a few thin	Orn	8	3-0	
CRETACEOUS			ophane	100 —	=	beds of sand	inf	9	2-0		
ANIS	ANDS		do			a — Cond by a condition of the condition	200	10	2-0		
EZ	Z	3	S S		*****	Sand, brown (oil-stained), soft	_	11	2-0		
A A			Glauce	Total depth	*****			12	2-0		
-	9		0	149		Shale, dark gray-brown		13	1-0		

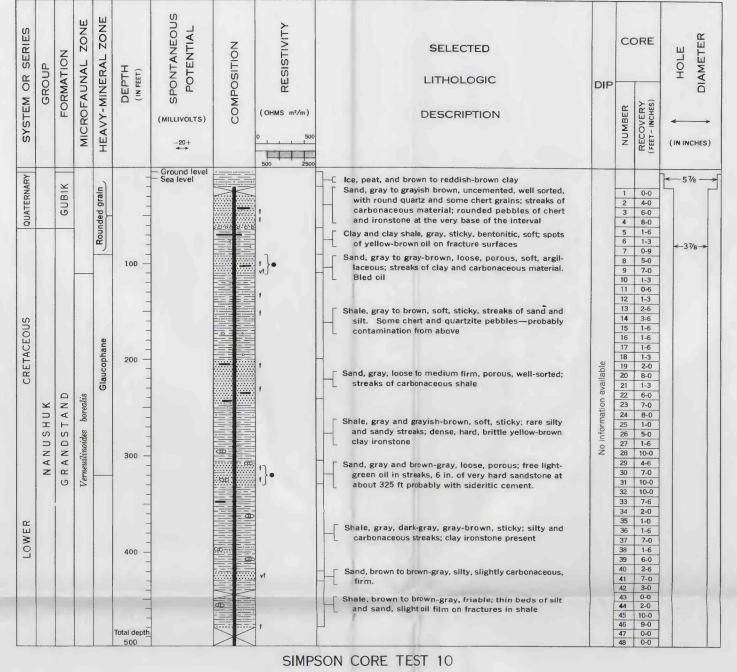
SIMPSON CORE TEST 6

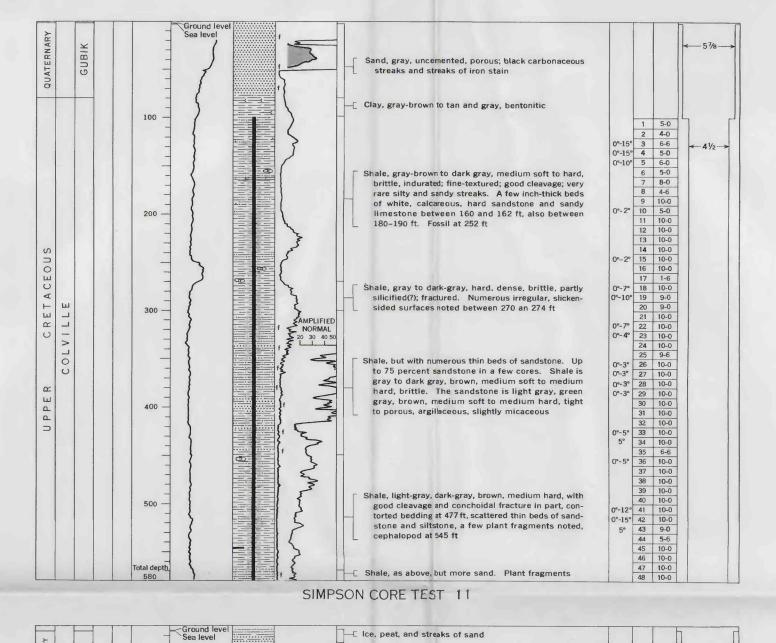


SIMPSON CORE TEST 7



OUATERNARY		UBIK	Pe	Ground level Sea level		Peat and clay, black to gray with brown sandy streaks  Sand, gray, dark-gray, light gray-brown, light green- brown, very soft and unconsolidated to medium		1 2 3	9-0 10-0 10-0	<b>←</b> 57/8	
A		9	Rounded	-		firm; streaks of clay and light-colored carbonaceous silt, a few hard, round, black chert pebbles toward		5	10-0		
5			g	-		the base of the interval		6	5-0		
+			II.			Shale, brown to brown-gray, medium hard, brittle, silty		7	10-0		
1				100 -	*****			8	10-0	<del>&lt;37/8→</del>	
				100 -	· · · · · · · · · · · · · · · · · · ·	Sand, gray to grayish-brown, loose, well-sorted; some oil saturation	available	9	6-0	37/87	
CRETACEOUS	ZZ	N D S I A		200 —	COD Towns (1-m)	Shale, gray, mostly hard, some brittle; streaks of silt and sand, rare carbonaceous laminae, trace of clay ironstone. Fossil shell at 216 ft  Carbonaceous shale, chocolate-brown to brown-gray	No information	10 11 12	9-0 9-0 1-6		
OWER	N								13	9-0	
>	-					Sand, light-gray, poorly cemented, porous, well-sorted		14	0-0		
						Count, ngm-gray, poorty cemented, porods, well-sorted		15	1-6		
_					- 80			16	6-0		
				300 —		Shale, gray, gray-brown; streaks of sand; rare clay ironstone					
				320				17	6-0		





-;;;-		ceous and coaly streaks, also a few streaks of blue- gray clay; slight show of oil	
	100 —	☐ Shale and clay, light-gray, gray, gray-brown, rare streaks	41/2
TACEOUS	200	of sand and silt, trace of coal and clay ironstone.  Shale is soft and sticky. Clay ironstone at 168 ft is light brown gray, hard and dense	
PER CRE	300	Clay shale, brownish-gray, medium hard to medium soft; thin laminae of silty sand; light-tan clay ironstone at 245 ft	0°-4° 0°-4° 0°-4° 0°-3° 0°-3° 0°-3° 0°-3°
a n	400	Clay shale, light brown-gray to light-gray, medium hard, silty streaks, rare clay ironstone	

SIMPSON CORE TEST 12

Logged by Florence M. Robinson J. S. Templeton, and G. O. Relf

## PROFESSIONAL PAPER 305-L PLATE 44

CORE TEST	LOCATION	ELEVATION	SPUDDED	COMPLETED	TOTAL DEPTH	STATUS
1	Lat 70°55'42"N Long 155°17'22"W	Kelly bushing, 27 feet Ground, 21 feet	June 25, 1945	June 29, 1945	116 feet	Dry and abandoned
2	Lat 70°55'39"N Long 155°17'30"W	Kelly bushing,29 feet Ground,11 feet	June 30, 1945	July 2,1945	226 feet	Junked and abandoned
3	Lat 70°55′38.5″N Long 155°17′30″W	Kelly bushing,29 feet	July 3,1945	July 7, 1945	368 feet	Junked and abandoned
4	Lat 70°55'46"N Long 155°15'52"W	Kelly bushing,14feet Ground,12 feet	July 8,1945	July 10, 1945	151 feet	Dry and abandoned
5	Lat 70°56′17″N Long 155°16′45″W	Kelly bushing,17 feet Ground,11 feet	July 11, 1945	July 12, 1945	130 feet	Dry and abandoned
6	Lat 70°55′58″N Long 155°18′53″W	Kelly bushing,26 feet Ground,20 feet	July 12, 1945	July 13, 1945	149 feet	Dry and abandoned
7	Lat 70°55'49"N Long 155°18'09"W	Kelly bushing,26 feet Ground,14 feet	July 15, 1945	July 25,1945	532 feet	Dry and abandoned
8	Lat 70°56′43″N Long 155°17′38″W	Kelly bushing,16 feet Ground,14 feet	July 27,1945	August 3,1945	580 feet	Dry and abandoned
9	Lat 70°57′27″N Long 155°17′31″W	Kelly bushing,11 feet Ground,8 feet	August 5,1945	August 7,1945	320 feet	Dry and abandoned
10	Lat 70°57'43" N Long 155°17'32" W	Kelly bushing,11 feet Ground,7 feet	August 8,1945	August 15, 1945	500 feet	Dry and abandoned
11	Lat 70°58'49"N Long 155°17'32"W	Kelly bushing,3 feet Ground,1 foot	August 17,1945	August 26, 1945	580 feet	Dry and abandoned
12	Lat 70°58′19″N Long 155°17′30″W	Kelly bushing,6 feet Ground,1 foot	August 27,1945	August 29,1945	460 feet	Dry and abandoned

EXPLANATION Calcareous sandstone Siltstone

Sandy siltstone Calcareous siltstone

Clay shale or claystone Sandy clay shale or claystone Silty clay shale or claystone

Calcareous clay shale or claystone Clay ironstone

Oil show Very fine grained Fine grained Medium grained Coarse grained Electrode spacing

Drilling and engineering data compiled from records of Arctic Contractors Electric log by Schlumberger Well Surveying Corporation All depths are measured from the top of the kelly bushing Colors were determined by comparison of dry samples with the National Research Council Rock Color Chart, 1948